Title: Session 1 - Luciano Combi

Speakers: Luciano Combi

Collection: POSTDOC WELCOME 2022

Date: October 24, 2022 - 10:10 AM

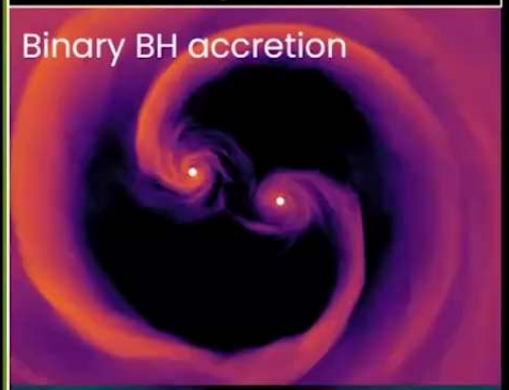
URL: https://pirsa.org/22100122

Abstract: Virtual

Luciano Combi

I've completed my PhD in physics working at the Argentine Institute of Radioastronomy. →

some of my **simulations**:

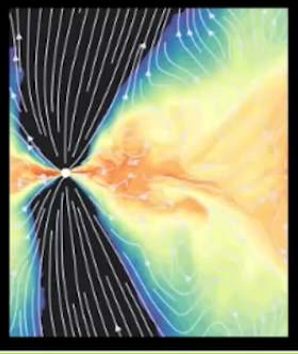
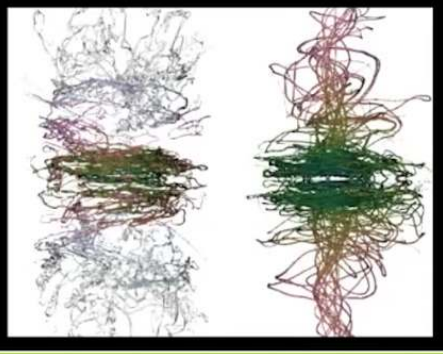
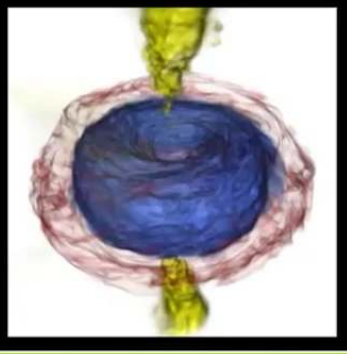


I will join Perimeter Institute and U of Guelph as a CITA National Fellow in November

My research interests comprehend high-energy astrophysics, compact objects, and gravitation.

I'm mostly focused on making theoretical models but really interested in joining efforts with observers!

← I've been recently working in **GRMHD simulations** of binary black hole accretion [in collab. with RIT, NASA, JHU] and neutron star mergers [in collab with PI, UoG] to understand their **electromagnetic emission.**

Interested in new challenges in multi-messenger astro
compact objects (GW + EM waves + neutrinos) and relativity.

- Better self-consistent models of binary BH accretion.
- Jet launching and propagation in mergers of compact object.
- Devising new observational EM signatures from mergers.
- Other topics in General Relativity (horizons properties, etc)